

Message Text

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ACTION OES-05

INFO OCT-01 IO-11 ISO-00 FEA-01 ACDA-05 CIAE-00 INR-07

L-03 NSAE-00 NSC-05 EB-07 NRC-05 DODE-00 AF-06 ARA-06

EA-07 EUR-12 NEA-10 OIC-02 /093 W

----- 042001

R 231505Z JAN 76

FM USMISSION IAEA VIENNA

TO SECSTATE WASHDC 6960

INFO USERDA GERMANTOWN

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EO 11652: NA

TAGS: IAEA, PARM, TECH

SUBJECT: IAEA/AUTOMATIC DATA PROCESSING (ADP) SYSTEM
SAFEGUARDS

PASS IO/SCT

1. AT HIS REQUEST, V. SHMELEV (NEW SOVIET HEAD OF SAFEGUARDS
ADP UNIT IN SECRETARIAT), TOGETHER WITH GEORGE FARRIS
(U.S. DATA SYSTEMS EXPERT ON ADP STAFF) MET WITH
MISOFFS TO DISCUSS ADP STATUS AND PLANS.

2. SHMELEV AND FARRIS BELIEVE WORKING ADP SYSTEM
IS URGENT AND CRITICAL NEED OF SAFEGUARDS SYSTEM,
THERE REMAINS AT THIS TIME (A) LARGE BACKLOG OF
RECORDS/REPORTS TO BE STORED (ALMOST HALF OF
3,500 EXISTING RECORDS/REPORTS STILL NOT IN DATA
BANK), AND (B) INADEQUACIES OF THE SYSTEM TO ACCOMPLISH
THIS. HANDLING OF INSPECTORS DATA STILL NOT INCLUDED
IN ADP SYSTEM. IN ADDITION, OF COURSE, THE VOLUME
OF DATA TO BE HANDLED WILL INCREASE SEVERAL-FOLD
IN NEXT TWO YEARS, AND CONTINUE TO GROW THEREAFTER,
PRESENTLY DESIGNED SYSTEM, EVEN IF AND WHEN FULLY
FUNCTIONING, WILL NOT BE ABLE TO COPE WITH FUTURE LOAD.

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3. PRESENT STATUS OF ADP GROUP IS STILL TEMPORARY "TASK FORCE" CONSISTING OF SHMELEV AND SEVERAL OTHERS ON LOAN FROM EXISTING SAFEGUARDS DIVISIONS. SHMELEV MAKES CLEAR HIS FIRST PRIORITY, BEFORE HE CAN PRODUCE (OR EVEN PROMISE) SUBSTANTITVE RESULTS, IS A) TO PUT ADP GROUP STATUS AND STAFFING ON REGULAR, LONG TERM BASIS, AND B) TO GET GOOD PEOPLE TO DO THE WORK.

4. SCHMELEV AND FARRIS PROPOSE A THREE-SECTION ORGANIZATION TO PERFORM ADP FUNCTIONS DURING THIS YEAR AS FOLLOWS:

A. INPUT-OUTPUT GROUP. PARSICK (U.S.) WOULD HEAD THIS GROUP, WHICH WOULD INCLUDE TWO ADDITIONAL PROFESSIONALS AND EIGHT GS EMPLOYEES. FUNCTION WOULD BE TO FINISH GETTING BACKLOG OF RECORDS/REPORTS CORRECTED AND INTO THE COMPUTER, AND TO HANDLE RAPIDLY INCREASING NUMBER OF NEW RECORDS/REPORTS.

B. COMPLETION, OPERATION, AND MAINTENANCE OF RELEASE I.

GMELIN (FRG) WOULD HEAD THIS GROUP, WHICH WOULD BRING THE PRESENT PROGRAM FOR PROCESSING OPERATORS DATA, RELEASE I, INTO FULL OPERATIONAL STATUS. THE GROUP WOULD INCLUDE 2 ADDITIONAL PROFESSIONALS (HOPEFULLY RUSSINOV AND ETTWEIN), AND AT LEAST ONE GS PROGRAMMER.

C. DEVELOPMENT TO HANDLE FUTURE NEEDS-RELEASE II. ETC. FARRIS WOULD HEAD THIS SECTION, WHICH WOULD DO THE SYSTEMS DEFINITION AND DEVELOPMENT, TO HAVE A SYSTEM FULLY CAPABLE BY 1980 OF HANDLING ALL DESIRED STORAGE, CORRELATION, AND MANIPULATION FUNCTIONS FOR BOTH RECORDS/REPORTS AND INSPECTOR DATA. RUMYANTSOV (USSR) WOULD HOPEFULLY JOIN THIS GROUP AT LEAST FOR FIRST YEAR, AS WELL AS MIAH (BANGLADESH), ONNEN (FRG) AND SIWY (AUSTRIA). SHMELEV AND FARRIS ARE HOPING TO FIND TWO OTHER HIGH-LEVEL (P4) DATA SYSTEMS PEOPLE FROM U.S. TO COMPLETE THIS GROUP (SEE REFTEL). A SECOND REQUEST OF SHMELEV AND FARRIS IS THAT U.S. CONSIDER WHETHER IT MIGHT BE POSSIBLE TO LIMITED OFFICIAL USE

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PROVIDE SOME OF REQUIRED SOFT-WARE PACKAGES AS IN-KIND ASSISTANCE. (THIS COULD ONLY BE DONE AFTER DEFINITION OF REQUIREMENTS, PERHAPS IN LATE 1976 OR EARLY 1977.)

5. AFTER ONE YEAR OF WORK IN FOREGOING ORGANIZATION (BY EARLY 1977) GROUP B PARA 4 SHOULD HAVE COMPLETED ITS MAIN EFFORT. REMAINING WORK OF MAINTENANCE OF SYSTEM WILL BE MERGED INTO GROUP A. AT THAT TIME,

TWO PROFESSIONALS (RUSSINEV AND ETTWEIN) WOULD BE TRANSFERRED TO SYSTEMS DEVELOPMENT (GROUP C) TO REPLACE TEMPORARY (U.S.) SYSTEMS ANALYSTS.

6. ACCORDINGLY, SHMELEV HAS OBTAINED APPROVAL OF TWO PROFESSIONAL POSTS IN GROUP B FOR IMMEDIATE ADVERTISEMENT WITH 60-DAY CLOSING DATE. VACANCY NOTICES DRAFTED TO FIT RUSSINOV'S AND ETTWEIN'S SPECIFIC EXPERIENCE, ETC., TO BE ISSUED SHORTLY. APPROVAL OF TWO PROFESSIONAL POSTS (PROBABLY P-3 LEVEL) FOR GROUP A WILL ALSO BE SOUGHT FOR THIS YEAR AND SHMELEV BELIEVES COULD BE FILLED WITH NON-U.S. PEOPLE. TRANSFER OF TWO PROFESSIONAL POSTS (AND OCCUPANTS) FROM GROUP B TO GROUP C WOULD TAKE PLACE IN 1977.

7. SHMELEV FORESEES THAT, BY 1980, DEVELOPMENT GROUP WOULD HAVE READY UP-TO-DATE SYSTEM TO HANDLE LONG TERM NEEDS. DEVELOPMENT GROUPS WOULD WORK CLOSELY WITH USERS, BOTH IN OPERATIONS AND IN DEVELOPMENT (E.G. STATISTICAL ANALYSTS) IN DESIGNING SYSTEM AND WOULD MAKE MAXIMUM USE OF MODULES PREVIOUSLY DEVELOPED, EITHER IN-HOUSE (FOR RELEASE I AND II) OR FROM COMMERCIAL SOURCES.

8. AS ERDA, ACDA, AND DEPARTMENT WELL AWARE, ADP SITUATION OUTLINED IN PARA 2 ABOVE REFLECTS EARLIER DIFFICULTIES. MISSION IS GREATLY ENCOURAGED, HOWEVER, IN TERMS OF FUTURE PROSPECTS, BY FOREGOING OUTLINE OF SHMELEV PROPOSAL. SHMELEV IS WIDELY KNOWN, RESPECTED, AND TRUSTED IN SECRETARIAT ON BASIS OF HIS EARLIER WORK THERE. HE HAS APPARENTLY REACHED CONCLUSIONS RE MAGNITUDE OF EFFORT REQUIRED WHICH ARE LIMITED OFFICIAL USE

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VERY CLOSE TO THOSE OF U.S. EXPERTS, AND WE BELIEVE HE HAS REASONABLE CHANCE OF CONVINCING ROMETSCH TO AGREE TO SUPPORT THIS EFFORT. HE ALSO IS SERIOUSLY CONSIDERING PURCHASE OF SOFTWARE PACKAGES, WHICH SHOULD HELP TO ACCELERATE PROGRESS. WITHOUT MINIMIZING PROBLEMS TO BE OVERCOME, INCLUDING ACCEPTANCE BY DG AND APPROVAL OF POSITIONS, WE AT LAST SEE CONCRETE PROPOSAL FOR ORGANIZATION AND STAFFING WHICH COULD, WITHIN APPROXIMATELY ONE YEAR, PUT ADP SYSTEM ON ACCEPTABLY FUNCTIONING BASIS. LABOWITZ

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: INFORMATION SECURITY, MEETINGS, ADP SERVICES, ORGANIZATION & MANAGEMENT
Control Number: n/a
Copy: SINGLE
Draft Date: 23 JAN 1976
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: morefirh
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1976IAEAV00568
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D760030-0017
From: IAEA VIENNA
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1976/newtext/t19760129/aaaaayrr.tel
Line Count: 164
Locator: TEXT ON-LINE, ON MICROFILM
Office: ACTION OES
Original Classification: LIMITED OFFICIAL USE
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: LIMITED OFFICIAL USE
Previous Handling Restrictions: n/a
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: morefirh
Review Comment: n/a
Review Content Flags:
Review Date: 25 MAR 2004
Review Event:
Review Exemptions: n/a
Review History: RELEASED <25 MAR 2004 by CollinP0>; APPROVED <13 MAY 2004 by morefirh>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
04 MAY 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: IAEA/AUTOMATIC DATA PROCESSING (ADP) SYSTEM SAFEGUARDS
TAGS: PARM, TECH, UR, US, IAEA, (SHMELEV, V), (FARRIS, GEORGE)
To: STATE
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006